

Data Quality and ILI Personnel

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Data Quality

- ☐ Data Collection
- ☐ Data Analysis
- ☐ Data Mining
- ☐ Pipe Line Design and Condition



Data Collection

- ILI tools are designed to provide information about a pipeline
- Tool design improvements result from collaboration and planning with operators
- Tool design changes are communicated directly with pipeline operators
- API 1163
- NACE RP-0102



Data Analysis

- Data analysts are matched with technology and/or specific applications
- Defined levels of expertise
- Quality review performed on process and data
- Feedback from operator and results correlation
- ASNT-ILI-PQ-2005



Data Mining

- Taking advantage of available data
 - Correlation with other available data sets
 - Previous run history
 - Multiple technologies utilized
 - Repair history
 - ILI Service Provider's knowledge



Pipeline Design and Condition

- Will the pipeline accommodate an ILI tool
- Is the pipeline properly prepared
- Operating conditions of the pipeline

Summary

- Source documents that address quality
 - API 1163
 - ASNT-ILI-PQ-2005
 - NACE RP-0102
- Data Collection is an ongoing enhancement process
- Data Analysts are qualified and matched with their area of expertise
- Data Mining is an area that can improve knowledge of the pipeline configuration and condition.
- Pre job preparation is necessary for data quality

